1 2 3 4 5 6

FIG. 1

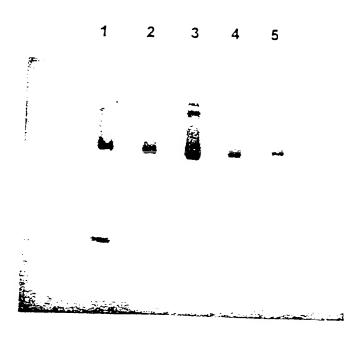


FIG. 2

1 2 3 4 5 6

FIG. 3



FIG. 4

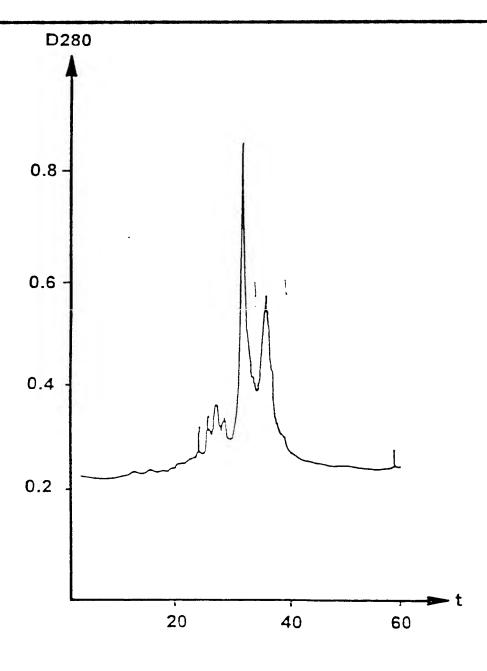


FIG. 5

FDCPmix proliferation inhibition by INPROL: direct effect *in vitro*

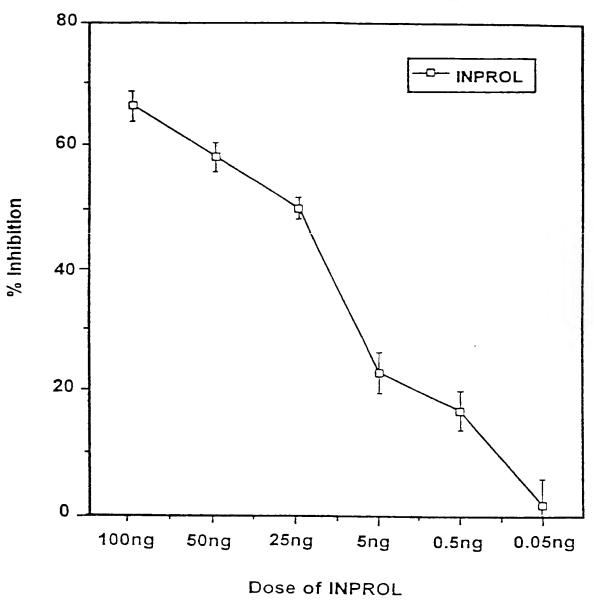


FIG. 6

INPROL affects the dynamic of CFU-S proliferation inhibition

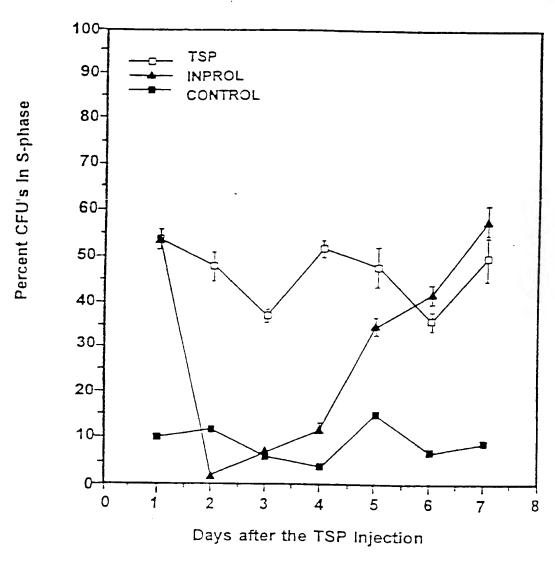
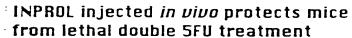
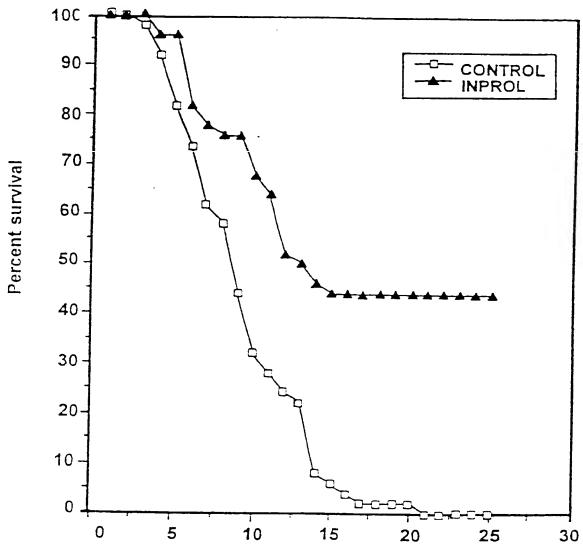


FIG. 7

FIG. 8





Days after the second 5FU injection

Survival of lethally irradiated mice after treatment with INPROL

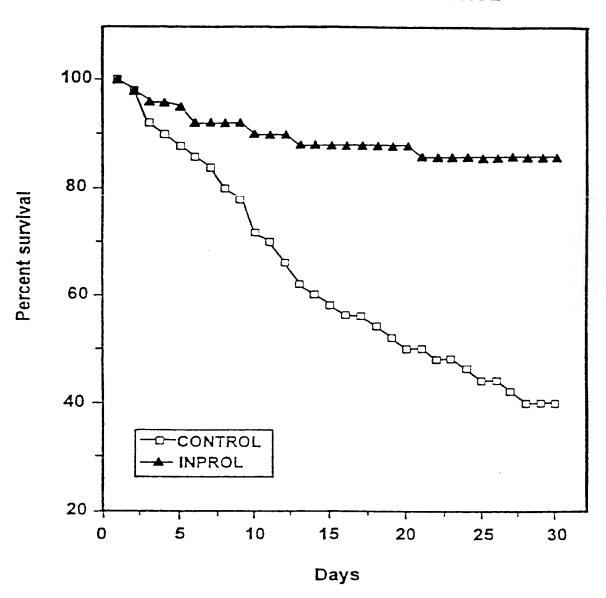
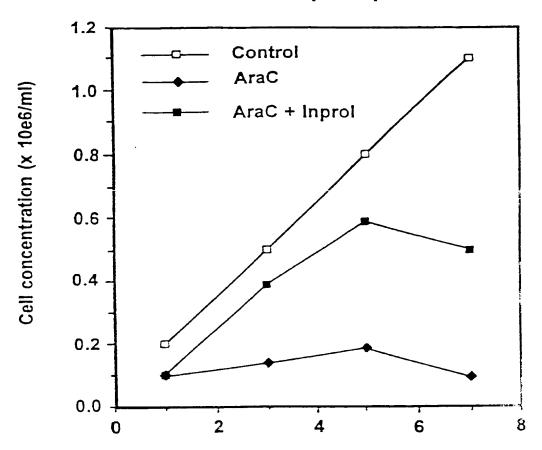


FIG. 9

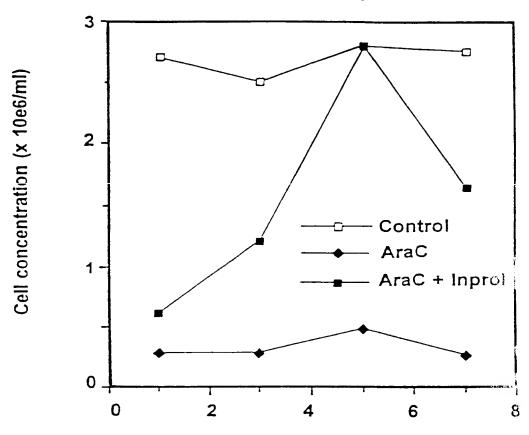
Cell regeneration in BMLTC - L1210 cultures after combined AraC plus Inprol treatment



Days of the first week after treatment

FIG. 10A

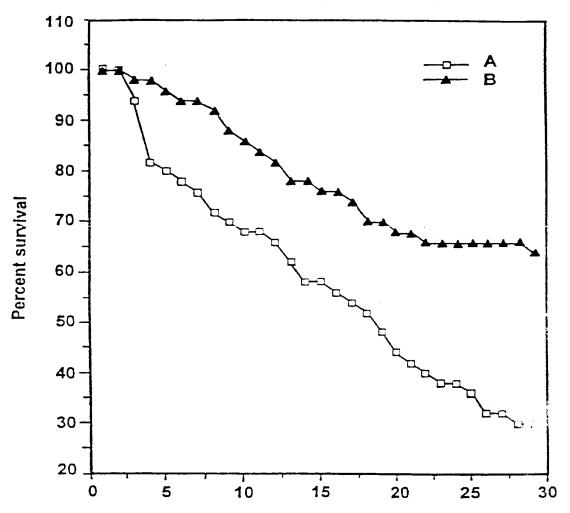
Cell regeneration in BMLTC - L1210 cultures after combined AraC plus Inprol treatment



Days of the third week after treatment

FIG. 10B

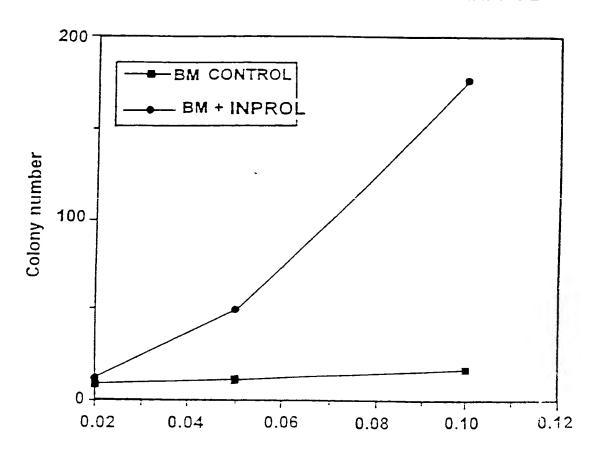
30 days radioprotection by the bone marrow cells after preincubation with (B) or without (A) INPROL



Days after transplantation of the bone marrow

FIG. 11

Marrow repopulating ability of BDF1 mice cells after incubation with INPROL



Part of femur transplanted

FIG. 12

Pre-B progenitors number in Lymphoid Long Term Culture after preincubation with or without INPROL

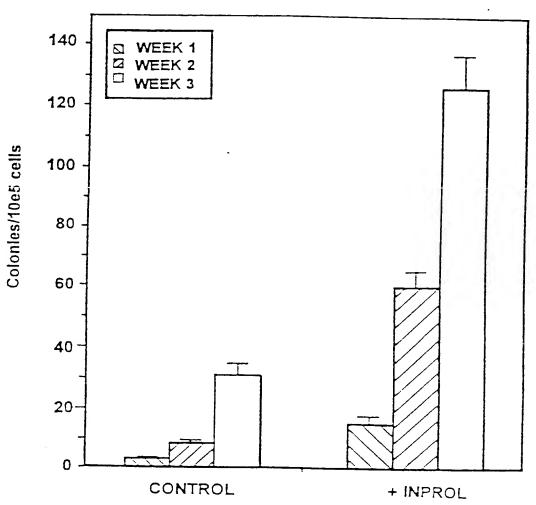


FIG. 13

INPROL improves the repopulating ability (LTC-IC number) of leukemic peripheral blood cells

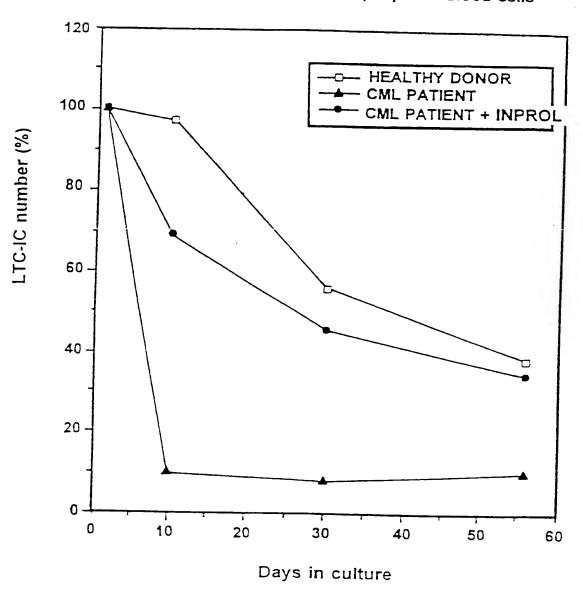
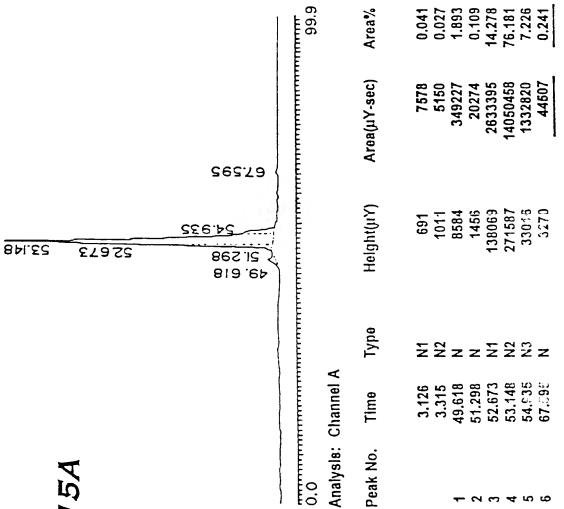


FIG. 14

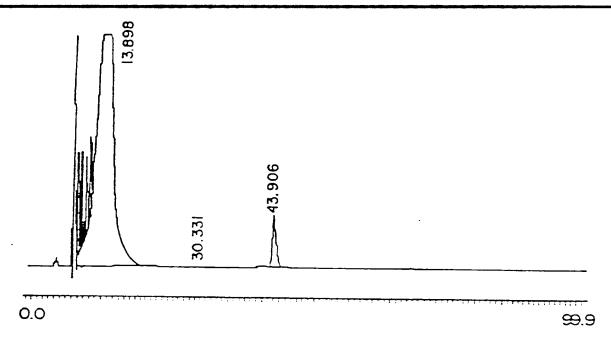
FIG. 15A



96.66

18443409

TOTAL AREA



Analysis: Channel A

Peak No.	Time	Туре	Height(µY)	Агеа(µY-sec)	Area%
1	4.383	N1	3945	95125	0.119
2	5.080	N2	28639	330889	0.413
3	5.216	N3	49084	531867	0.665
4	7.980	N1	399424	1110511	1.389
5	8.100	Err'	1203320	2882013	3.605
6	8.241	N3	443249	1506159	1.884
7	8.386	N4	481563	2185702	2.734
8	8.533	N5	412886	1826165	2.284
9	8.701	N6	321500	842122	1.053
10	8.745	N7	404661	1610380	2.014
11	8.995	N8	435765	2489721	3.114
12	9.316	N9	517790	4801831	6.007

FIG. 15B

1 2 3



FIG. 15C

2 3 4 5 6 7 8 10 11 12 13 14 15 16 17 18 19 20 9 Val Leu Ser Pro Ala Asp Lys Inc Asn Val Lys Ala Ala Trp Gly Lys Val Gly Ala His GTG CTG TCT CCT GCC GAC AAG ACC AAC GTC AAG GCC GCC TGG GGT AAG GTC GCG GCG CAC 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 Ala Gly Glu Tyr Gly Ala Glu Ala Leu Glu Arg Met Phe Leu Ser Phe Pro Thr Thr Lys BOT GGC GAG TAT GGT GCG GAG CCC CTG GAG AGG TATG TTC CTG TCC TTC CCC ACC ACC AAG 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 The Tyr Phe Pro His Phe Asp Leu Ser His Gly Ser Ala Gln Val Lys Gly His Gly Lys ACC TAC TIC CCG CAC TIC GAC CTG AGC CAC CCC TCT CCC CAG GTT AAG CCC CAC CCC AAG 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 Lys Val Ala Asp Ala Leu Thr Ash Ala Val Ala His Val Asp Asp Met Pro Ash Ala Leu AAG GTG CCC CAC CCG CTG ACC AAC CCC GTG CCG CAC GTG CAC GAC ATG CCC AAC CCG CTG 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 Ser Ala Leu Ser Asp Leu His Ala His Lys Leu Arg Val Asp Pro Val Ash Phe Lys Leu THE COS STG AGE GAS STG CAS GOG CAS AAG STT COG GTG GAS GOG GTC AAS TTO AAG STC 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 Leu Ser His Cys Leu Leu Val Thr Leu Ala Ala His Leu Pro Ala Glu Phe Thr Pro Ala CTA AGO CAC TGC CTG CTG GTG AGO CTG GCC GCC CAC CTC GCC GAG TTC AGO GCT GCG 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 Val His Ala Ser Leu Asp Lys Phe Leu Ala Ser Val Ser Thr Val Leu Thr Ser Lys Tyr Arg GTG CAC CCC TCC CTG GAC AAG TTC CTG CCT TCT GTG AGC ACC GTG CTG ACC TCC AAA TAC CCT

Fig. 16A

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 Val His Leu Thr Pro Glu Glu Lys Ser Ala Val Thr Ala Leu Trp Gly Lys Val Ash Val GTG CAC CTG ACT CCT GAG GAG AAG TCT GCC GTT ACT GCC CTG TGG GGC AAG GTG AAC GTG

21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 Asp Glu Val Gly Gly Glu Ala Leu Gly Arg Leu Leu Val Val Tyr Pro Trp Thr Gln $_{\rm Arg}$ CAT GAA GTT GGT GGT GAG CCC CTG CGC AGG CTG CTG GTG GTC TAC CTT TGG ACC CAG $_{\rm AGG}$

41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 Phe Phe Glu Ser Phe Gly Asp Leu Ser Thr Pro Asp Ala Val Mer Gly Asp Pro Lys Val IIC III GAG TCC TII GGG GAT CIG TCC ACT CCT GAT GCT GT; ATG GGC AAC CCT AAG GTG

61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 Lys Ala His Cly Lys Lys Val Leu Cly Ala Phe Ser Asp Cly Leu Ala His Leu Asp Asp AAG CCT CAT GGC AAG AAA GTG CTG CAT GGC TTT AGT GAT GGC CTG CCT CAC CTG CAC AAC

81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 Leu Lys Gly Thr Phe Ala Thr Leu Ser Glu Leu His Cys Asp Lys Leu His Val Asp Pro CTC AAG CCC ACC TTT GCC ACA CTG AGT GAG CTG CAC TGT GAC AAG CTG GAC GTG GAT CCT

101 102 103 104 .75 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 Glu Asn Phe Arg Leu Leu Gly Asn Val Leu Val Cys Val Leu Ala His His Phe Gly Lys GAG AAC TTC AGG CTG CTG GGC AAC GTG CTG GTG GTG GTG GTG GCC CAT CAC TTT GGC AAA

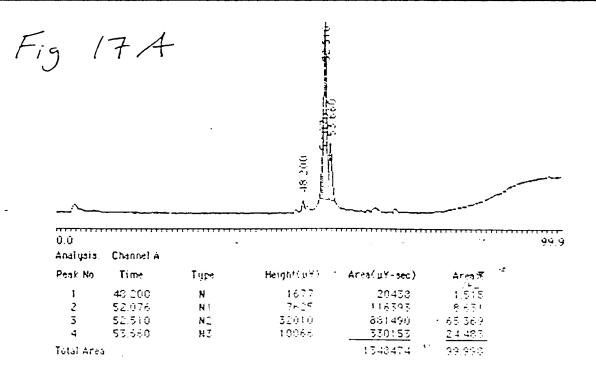
121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 Glu Phe Thr Pro Pro Val Glu Ala Ala Tyr Glu Lys Val Val Ala Gly Val Ala Asm Ala GAA TIC ACC CCA CCA GTG CAG GCT GCC TAT CAG AAA GTG GTG GCT GGT GTG GCT AAT GCC

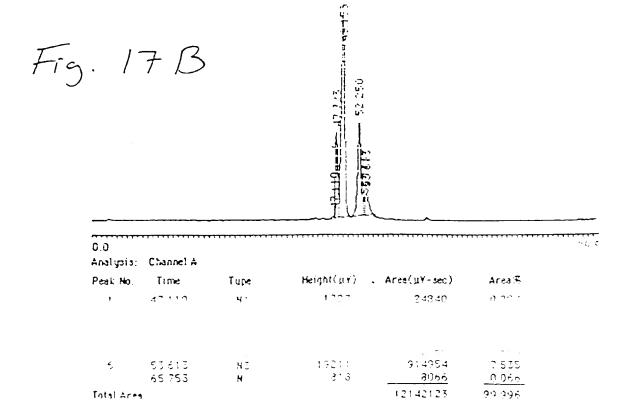
141 142 143 144 145 146 Leu Ala His Lys Tyr His CTG GCC CAC AAG TAT CAC

Fig. 16 B

hHemA.pep hHemB.pep mHemA.pep mHemB.pep pHemA.pep pHemB.pep	1 1 1 1 1	10 V-is-loko: V-is-loko: V-is-loko V-is-lokoko V-is-lo	20 VKAAV GRVCA VEAT GRV TKAAV CAT SC VSCI GRVAS VKAAV CAVS VKAAV CAVS VLGI GRVAV	-nvdevger hg-abygrer sbvger	40 IE AMELS IF IC RILLVVMS IE RMEASS IS IE RMEASS IS IE RMELG IF ICRILVVMS ICRILVVMS	WIOR RESERG IT CULTER BEEG WIORYFOSEG IT CULTER BEE	50 50 50 50 50
hHemA.pep hHemB.pep mHemA.pep mHemB.pep pHemA.pep pHemB.pep	51 51 51 51 51	60 DISEG DISTPDAVVG DVSEG DISSESTEVIG DISSESTAVVG	70 SAOVE GIGKE NEKVKAHGKE SAOVK GIGKE NAKVKAHGKE SDOVKAHGE NEKVKAHGKE	80 VADALIN VLGAFSD VADALAS VITAFND VADALIK VLOSFSD	90 Avalendden Glahlddleg Glahlddleg Avghlddleg Avghlddleg Avghlddleg Glahldsleg	100 ALS ALSDI TEATILSEI ALS ALSDI TEASI SEI ALS ALSDI TEAKI SEI	100 100 100 100 100
hHemA.pep hHemB.pep mHemA.pep mHemB.pep pHemA.pep pHemB.pep	101 101 101 101 101	110 HA-CORVERN HCORVERN	120 NECH SECH	130 VIII AAH PAE CVI AHHESKE VIII ASHHISKI IVI EHHISKI VIII AAHHEDI VIII AAHHEDI VIII AARRISHI	FUPAAQAAF- FUPSVHASLD	150 - KIRASVSTV - KWAGVANE - KIRASVSTV OKWAGVAVA - KIRASVSTV OKWAGVAVA - KIRASVSTV	150 150 150 150 150
hHemA.pep hHemB.pep mHemA.pep mHemB.pep pHemA.pep pHemB.pep	151 151 151 151 151	160 FSKYR ARKYE FSKYR ARKYE ARKYE ARKYE ARKYE	170	180	190	200	200 200 200 200 200 200

Fig. 160





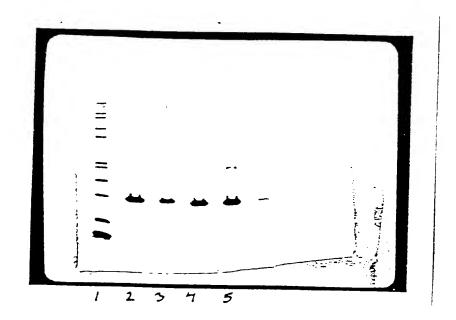


Fig. 18

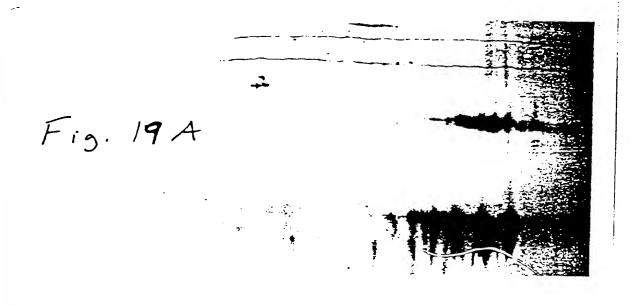
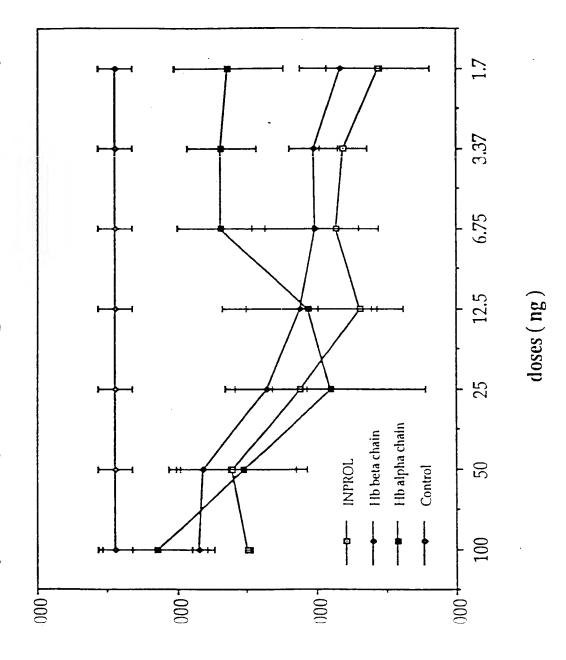


Fig. 19 B

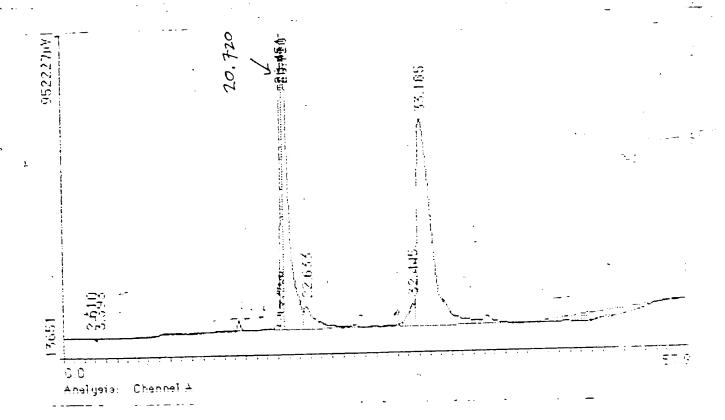


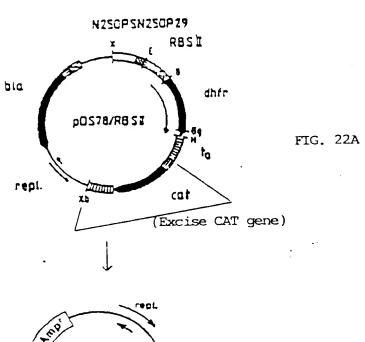


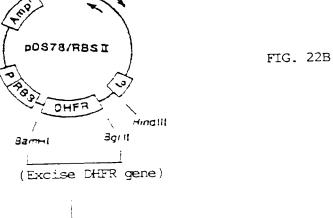


CbN

Fig. 20







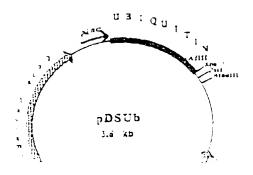


FIG. 22C

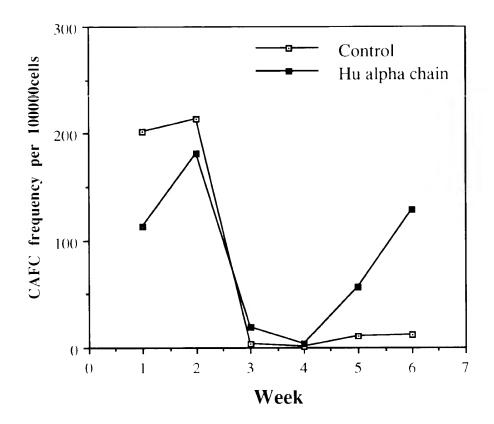


Fig 23